

Title (en)
NOVEL ANTIMICROBIAL PEPTIDES

Title (de)
NEUE ANTIMIKROBIELLE PEPTIDE

Title (fr)
NOUVEAUX PEPTIDES ANTIMICROBIENS

Publication
EP 2396020 A2 20111221 (EN)

Application
EP 10723909 A 20100210

Priority
• CZ 2010000016 W 20100210
• CZ 200983 A 20090212

Abstract (en)
[origin: WO2010091651A2] This invention involves two novel peptides of the formulas (1) H-Gly -Met-Trp -Ser-Lys- -Ile-Leu-Gly -His-Leu-Ile-Arg -NH₂ and (2), H-Gly -Lys-Trp -Met-Ser-Leu-Leu-Lys -His-Ile-Leu-Lys-NH₂ isolated from natural sources and their synthetic analogs of general formula (1-A) [Xaa]_n -Gly-Met-Trp-Ser-Lys-Ile-Leu-Gly-His-Leu-Ile-Arg-NH₂ and (2-A), [Xaa]_n -Gly-Lys-Trp-Met-Ser-Leu-Leu-Lys-His-Ile-Leu-Lys-NH₂ where Xaa represents, independently from each other, proteinogenic amino acid, D-amino acid, non- standard amino acid or amino acid with the side chain modification, n means position of the amino acid replacement and m means the number of the replacements in the peptide chain. Described is also their use for the preparation of medicaments for the treatment of microbial, parasitic and fungal diseases and for the cancer treatment.

IPC 8 full level
A61K 38/10 (2006.01); **C07K 7/08** (2006.01); **C07K 14/435** (2006.01)

CPC (source: EP)
A61P 31/04 (2017.12); **A61P 31/10** (2017.12); **A61P 35/00** (2017.12); **C07K 14/43572** (2013.01)

Citation (search report)
See references of WO 2010091651A2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
WO 2010091651 A2 20100819; WO 2010091651 A3 20101111; WO 2010091651 A4 20110106; CZ 200983 A3 20100602;
CZ 301719 B6 20100602; EP 2396020 A2 20111221; EP 2396020 B1 20130306

DOCDB simple family (application)
CZ 2010000016 W 20100210; CZ 200983 A 20090212; EP 10723909 A 20100210